

FIG. 1

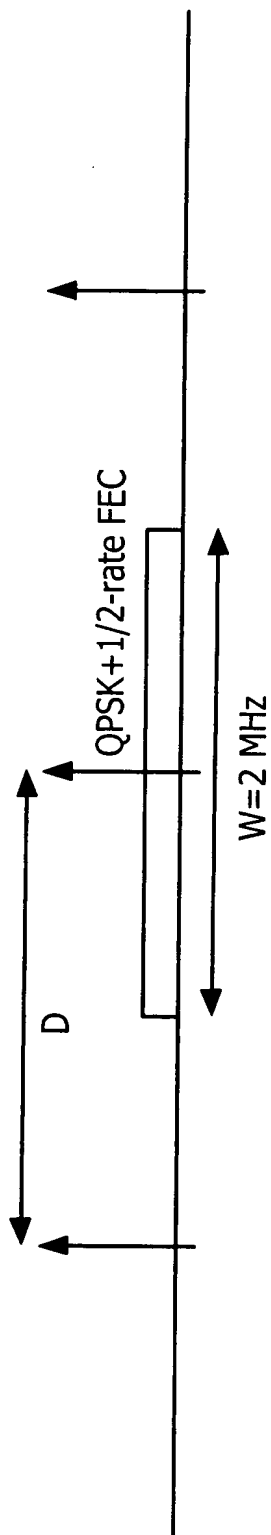


FIG. 2A

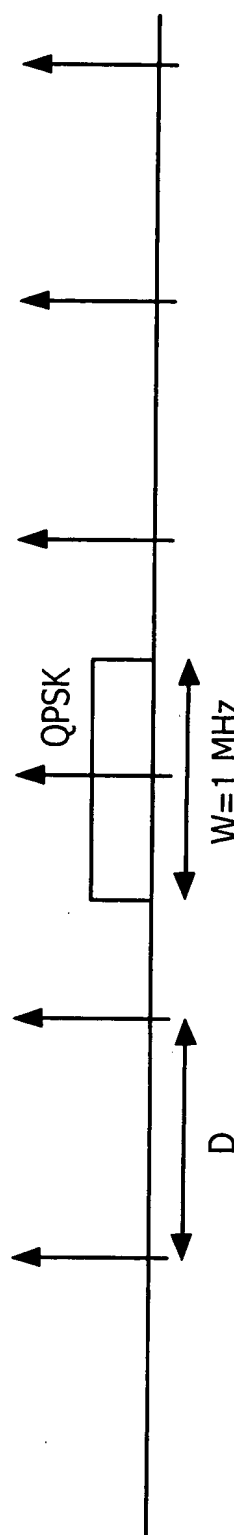


FIG. 2B

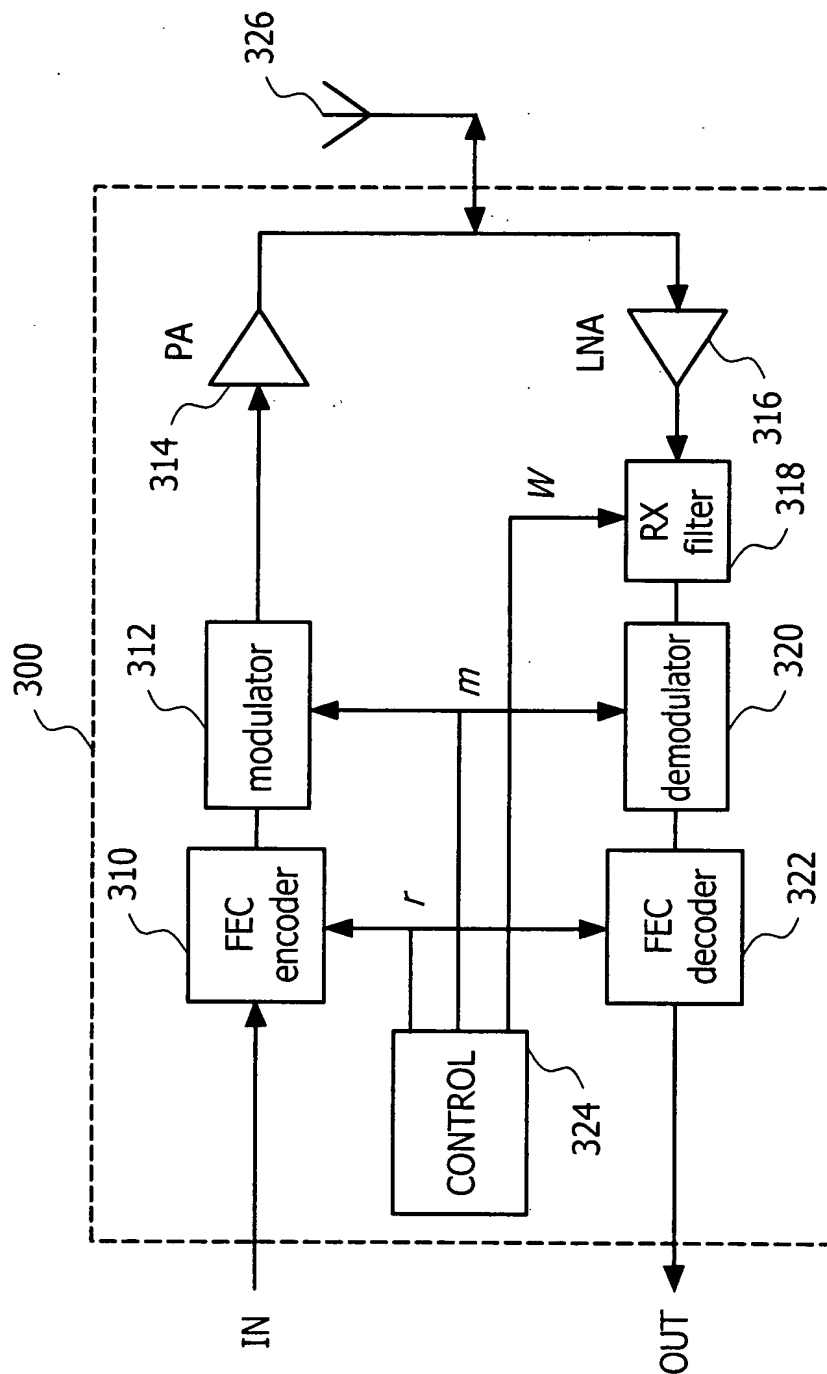


FIG. 3

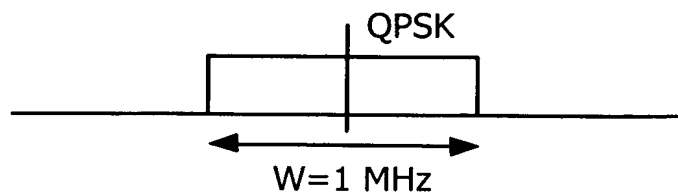


FIG. 4A

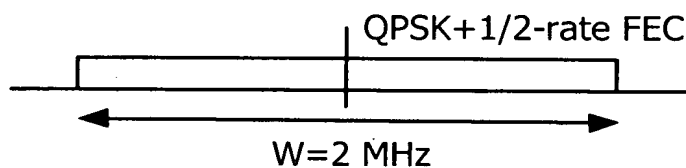


FIG. 4B

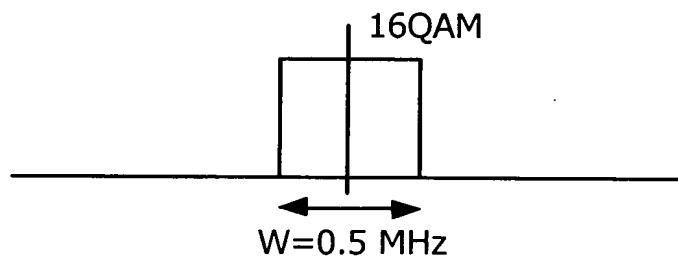


FIG. 4C

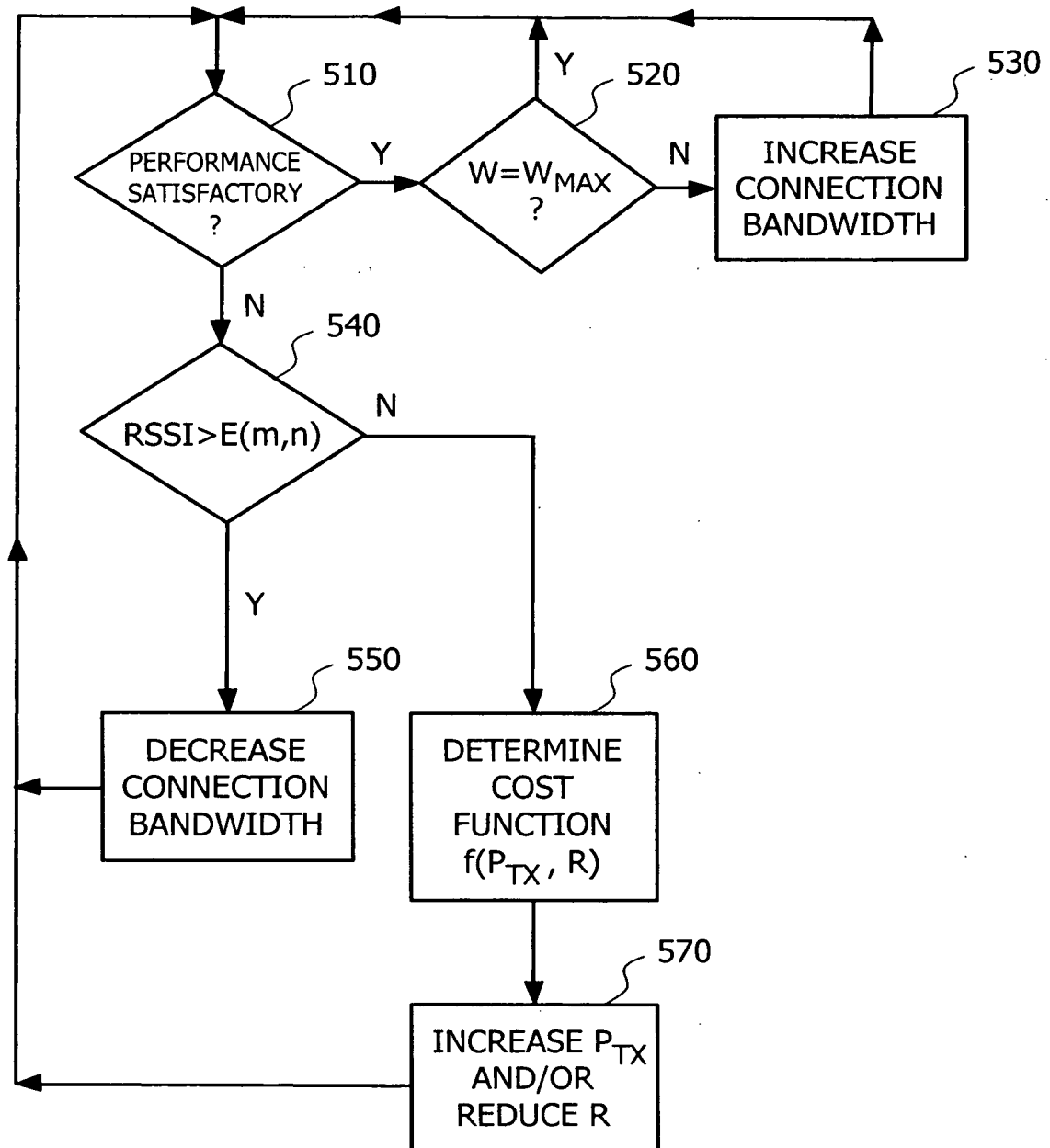


FIG. 5

	FEC CODING RATE	M <u>BITS</u> SYMBOL	SIGNAL BAND- WIDTH	NET USER RATE
64-QAM	1	6	$1/3 W$	2W
64-QAM	$3/4$	6	$4/9 W$	2W
16-QAM	1	4	$1/2 W$	2W
8-PSK	1	3	$2/3 W$	2W
8-PSK	$3/4$	3	$8/9 W$	2W
QPSK	1	2	W	2W
QPSK	$3/4$	2	$4/3 W$	2W
QPSK	$2/3$	2	$3/2 W$	2W
QPSK	$1/2$	2	$2 W$	2W
QPSK	$1/3$	2	$3 W$	2W

FIG. 6